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IT IS HAPPENING AT SASTRA



NEWSLETTER FROM SASTRA DEEMED UNIVERSITY

VOL 19

III QUARTER

2019

MESSAGE FROM THE VICE-CHANCELLOR



SASTRA has carved itself a niche among educational institutions in India and secured good world rankings, outpacing most of its peers. The All India Council for Technical Education (AICTE) has recognized SASTRA as a hub under MHRD's Margdarshan Scheme. It has been recognized as a 'mentor' to guide and disperse knowledge to and between 10 technical institutions which are identified as 'spokes' in the region.

SASTRA's holistic development of its students is helping the university to excel in job placement. Over 2,450 engineering graduates have been selected for placements in leading companies during the campus selection exercises conducted by these companies. Over 350 students from Thanjavur and Tiruchi and over 500 students from the rest of Tamil Nadu secured placements, thus continuing its dedication to serve the lower and middle class families.

At the XXXIII convocation, CSIR chief Dr. Shekar C. Mande hailed SASTRA's commitment to student community and distributed degree certificates to over 3,600 students. 20 retired school teachers, who had rendered services to student community for over 30 years, were felicitated on Teachers' Day. SASTRA has announced the establishment of the Dr. (Mrs.) YGP Chair for Teacher Education & Research to remember her belief in Indian values and ethics and her devout nationalism. SASTRA provided annadhanam at the historic Athivaradhar Dharshan at Kancheepuram to the devotees from August 3 – 17, 2019.

Students of SASTRA have made us proud by winning coveted prizes in both academic and sports events. The School of Law students have made a mark by winning several moot court competitions. Through its several community outreach programmes SASTRA has also involved itself in various social welfare activities.

The 2019 SASTRA-Ramanujan Prize will be awarded to number theorist Adam Harper of the University of Warwick, England for his several outstanding contributions to analytic and probabilistic number theory. The prize will be awarded at the International Conference in Number Theory on December 22 (Ramanujan's Birthday) at SASTRA University campus in Kumbakonam.

Prof. S. Vaidhyasubramaniam
Vice-Chancellor

XXXIII CONVOCATION

The 33rd Convocation of SASTRA Deemed University was held on August 11, 2019. Dr. Shekhar C. Mande, Secretary, Department of Scientific and Industrial Research (DSIR) & Director General of CSIR delivered the convocation address and awarded the degrees. Addressing the students, Dr. Mande praised SASTRA to be a top ranking institution in the world, as it had two important factors – the human resources of teachers, supporting staff, technical staff and students, and the common goal of imparting good education and teaching values.

He further exhorted the students to develop their own views of the world and decide on their own on what to contribute to the world. "You should not do as your parents, teachers and friends tell you, but on your own about the contribution you have to



Dr. Shekhar C. Mande, Secretary, Department of Scientific and Industrial Research (DSIR) & Director General of CSIR presenting degree certificate to a student

make for the betterment of your country and to the larger humanity," he said. He insisted that students should aim to see that no person is deprived of any opportunity in the society and all should be treated well. He wanted the students to make sure that they use the knowledge of science and technology for the betterment of society.

Regarding studying in colleges and universities, he said that a student can get data and knowledge from teachers, but he cannot become wise unless he steps out of the portals of educational institutions and faces the world. He also added that Data and knowledge should develop into wisdom and students should

become wise. “This day is the day of that reckoning. You should have great confidence and maturity” he said. He advised graduates to embark on a career



Convocation Address by Dr. Shekhar C. Mande

filled with scientific temper with a thirst for new knowledge. He also invoked the works of former President Dr. APJ Abdul Kalam as an inspiration to younger generation.



Our Vice-Chancellor welcoming the gathering

Dr. S. Vaidyasubramaniam, Vice Chancellor, SASTRA in his welcome address highlighted the recent achievements of SASTRA. Prof. R. Sethuraman, Chairman, Dr. S. Swaminathan, Dean Planning and



Development and other Deans of SASTRA were also present.



As many as 3,633 students including 34 Ph.D. students were awarded degrees during the convocation. The Founder Chancellor’s Best Ph.D. Science Thesis Award was presented to Purandhi Roopmani for her work on drug delivery that resulted in three publications with a cumulative impact factor of 12.3 besides filing a patent. The Best Engineering Thesis Award was presented to Shyamapada Mandal for his work on Characterization and Analysis of Nuclear Signal resulting in six SCI publications.



SASTRA A HUB UNDER AICTE'S MARGDARSHAN SCHEME

Prof. Dileep N. Malkhede, Adviser, AICTE, New Delhi launched the AICTE's 'Margdarshan Scheme' at SASTRA on September 15, 2019. Under Margdarshan Scheme, SASTRA has been identified by AICTE as a hub to guide and disperse knowledge to ten technical institutions to encourage best practices. SASTRA will train the ten identified institutions to be accreditation-ready in the next two years.

Prof. Malkhede handed over the order of mentorship for SASTRA to the Vice-Chancellor Dr. S. Vaidhyasubramaniam. He also distributed merit scholarships worth Rs1.2 Crore to students who excelled in their academics.

Prof. Malkhede also launched 'Chemistry For Engineers' book authored by SASTRA faculty which is published by McGrawHill. Prof. Malkhede congratulated SASTRA for its efforts to build an advanced infrastructure and also for its impressive placements despite the economic turbulence.

Speaking on the occasion, Dr.S.Vaidhyasubramaniam, Vice-Chancellor of SASTRA University, assured AICTE of SASTRA's active participation in emerging areas like IoT, 3D Printing, Industry 4.0, Education 4.0, etc. in its mentoring plan under Margdarshan.



SIGNING OF MoU WITH CORPORATE GURUKUL

SASTRA University signed an MoU with Corporate Gurukul, Singapore on August 29, 2019 for the creation of Centre for Capacity Creation in Emerging Technologies in TBI, SASTRA which would facilitate conducting trainings and workshops by NUS and NTU Professors of Singapore and summer and winter internships at the two institutions.



PLACEMENTS AT SASTRA

As a perfect gift on Engineer's Day, over 2,450 super-dream, dream and regular placement offers were made by leading companies to the 2020 batch of engineering graduates of SASTRA. The offers include the highest annual pay of Rs. 28.5 Lakh and the lowest of Rs. 3.6



Lakh, with an average annual pay of Rs. 9.3 Lakh.

Leading recruiters like Amazon, PayPal, Microsoft, Deloitte, Rockwell Collins, TIGER Analytics,



MoU WITH HIREMEE

SASTRA signed an MoU with Hiremee, an AI powered assignment and hiring platform on July 12, 2019 for the benefit of pre-final year and final year students. This platform facilitates hiring, especially fresh graduates. This MoU would help students in getting prepared for placements as well as would serve them with information regarding the hiring procedure of different companies, topics to be covered, etc.

IDEABOARD, ABCO, Informatica, TCS, IBM, Zoho, Freshworks, Infosys, Cognizant, WIPRO, Caterpillar, Dr. Reddy's and many more participated in the campus recruitment which started on July 8, 2019 said Dr.V.Badrinath, Dean of Corporate Relations at SASTRA. Of these, over 350 students from Thanjavur & Trichy alone and over 500 students from Tamilnadu have secured job offers in leading multinational companies.



The declaration for the final numbers was made in a joyous event with AICTE Adviser Prof. Dileep Malkhede releasing the victory balloons along with the students on September 15, 2019.

DR. (MRS.) YGP CHAIR FOR TEACHER EDUCATION & RESEARCH

SASTRA Deemed University has established Dr. (Mrs.) YGP Chair for Teacher Education & Research. The chair has been established as a tribute to Mrs. Y.G. Rajalakshmi Parthasarathy who was an outstanding educationist, nationalist, spiritualist and above all a role model teacher. Dr. S. Vaidhyasubramaniam,



Vice-Chancellor, as an alumna of PSBB (Padma Seshadri Bala Bhavan), recalled that Mrs. YGP stood as a lighthouse for many students and for those who wanted to establish quality schools in the country.

SAKURA SCIENCE PROGRAM 2019

Five students from School of Chemical and Biotechnology were invited to Japan under the Japan-Asia Youth Exchange Program in Science, known as SAKURA Exchange Program in Science, administered by Japan Science and Technology Agency (JST). Senior Assistant Professor Dr. Anuradha S accompanied Post-doctoral Fellow Dr. Amalorpava Mary L; IV year Biotechnology (Shrute Kannappan, Aakash C) and IV Year Integrated Medical Nanotechnology students (Swetha N and Tharangini G) for the program.

The students were hosted by Tokyo City University - Setagaya Campus, Tokyo, Japan from September 8-22, 2019. Dr. Takamichi Hirata, Professor of the Department of Medical Engineering guided the students to carry out experiments to study the Effect of Cold-Plasma treatment towards wound healing applications.



BEST PAPER AWARD BAGGED BY Ph.D. SCHOLAR

Ms. Taruna Rajagopal, Ph.D. Research Scholar working under the supervision of Dr.Nageswara Rao Dunna, Assistant Professor-III, Cancer Genomics Lab, SCBT, won the best paper award for her poster entitled "Effect of Xenobiotic-Metabolizing and DNA Repair Gene Polymorphisms on Sporadic Breast Cancer Susceptibility and Clinicopathological Features in South Indian Women," at the First Cancer Conference on Real-World Evidence 2019 (RWE-2019), held at Chennai, on August 24, 2019. She received a cash prize of Rs. 10,000.



YOUNG CHEMIST AWARD 2019

Ms. Madhurantakam Sasya from SASTRA Deemed to be University won the IIT Bombay Metrohm Young Chemist Award, 2019 for her research on Fabrication of Mediator-free hybrid Nano-interfaced Electrochemical Biosensor for monitoring cancer cell proliferation. Sasya completed her Ph.D. in 2018 from CENTAB, SASTRA. This contest is a privileged platform for young aspiring minds in the scientific fraternity to present their research work to the distinguished Jury panel at IIT Bombay. She won the first place and received a cash prize of Rs 2,00,000 and Young Excellence Memento. IISc student won second place and IIT Hyderabad the third place.



BEST PERFORMING STUDENT IN GOOGLE UDACITY INDIA SCHOLARSHIP PROGRAM

Kavin Raju Sridhar, a student of SASTRA, was selected for attending Google I/O'19, fully sponsored by Google. I/O is an annual developer conference held by Google in Mountain View, California where developers from around the globe come for the talks, hands-on-learning from Google Experts. In phase I (Feb'18 to May'18), he was one among 150 students across India, who got a fully paid scholarship program, worth Rs. 89,800, out of 10,000 applicants. In phase 2, which is a 6 months course, (May'18 to Nov'18), he was selected as one of the Top 10 performers across India consisting of 1000 scholars. Finally, he was one among the Top 3 Best Scholars and is now in Google Udacity India Scholarship Program as an Android Developer, which is a Fully Paid Training Program at Google I/O '19, Shoreline Amphitheatre, Mountain View, California.



ORIENTATION SESSION OF THE SEMESTER ABROAD PROGRAMME (SAP)

The Vice Chancellor Dr. S. Vaidhyasubramaniam, who heads the International Relations Division of SASTRA, explained the process of Semester Abroad Programme, including application and selection process, to around 300 interested final year students at Chanakya Auditorium on August 13, 2019.



ENGINEER'S DAY CELEBRATIONS BY IICHE

The Indian Institute of Chemical Engineers (IICChE) Students' Chapter of SASTRA hosted the Engineer's Day Celebrations on September 24, 2019. It was presided by Dr. K.S. Rajan, Dean, School of Chemical and Biotechnology and Dr. V. Ponnusami, Associate Dean, School of Chemical and Biotechnology, and Mr. S. Srinivasan, Executive Member of IICChE Students' Chapter – SASTRA.

The Chief Guest of the evening, Dr. R. S. Saravanan, DST-INSPIRE Faculty Fellow – DST, School of Chemical and Biotechnology, SASTRA, is the recipient of 2018 INSPIRE Faculty Fellowship Award by DST, Government of India.

Students and faculty of the Chemical Engineering Department attended the function. Speaking on the occasion, Dr. R. S. Saravanan, an alumni of SASTRA, shared his experience in SASTRA. He gave a presentation on "Municipal Solid Waste Management in Developing Countries - Issues and Opportunities" and introduced books and websites to the budding engineers. He sowed the seeds of responsibility with his words, "Now it's time for you to come up with what the world demands."



VETERAN SCHOOL TEACHERS HONoured ON TEACHERS' DAY

Teachers' Day Celebration was held on September 5, 2019. Dr.R. Chandramouli, Registrar, felicitated the retired school teachers. On the occasion, the following eight retired teachers from Tiruchy and Thanjavur Districts were felicitated: V. Ranganathan, S. Ragothaman, A. Natesan, K. Ramakrishnan, R. Viswanathan, K. Maruthaiyan, R. Andal and R. Janaki. They were presented with a shawl and a silver bowl worth Rs.11,000. Dr.N. Seshadri, Professor and Head of the Department of Education in his welcome address said that educational institutions should not be mere knowledge shops but curiosity shops of innovation and creativity. Dr. K. Kannan, Dean, School of Education, stressed on the need for value-based education in the technological scenario.



Srinivasa Ramanujan Centre, SASTRA, Kumbakonam at a similar function at its campus honoured twelve Veteran Teachers for their outstanding services to the society. Shri. K.V. Natarajan (89), Shri. Srinivasa Gopalan (88), Shri. Krishnamurthy (88), Shri. V. Natesan (87), Shri. T.N. Renganathan (85), Shri. Ramamoorthy (85), Shri. E.K. Jeyaraman (83), Smt. A. Narayani (82), Shri. M. Swaminathan (76), Shri. G. Balakrishnan (75), Shri. M. Sukumaran (75), and Shri. R. Kannappan (75) were felicitated by Dr. V. Ramaswamy, Dean, SRC with a shawl and Silver cup each



INDEPENDENCE DAY

The 75th Independence Day was celebrated on August 15, 2019. Captain Natraj of Thanjavur Air Force Station hoisted the national flag and addressed the gathering on the significance of the day and provided enlightening insights about the major happenings in the country. Staff and students attended the function.



KLF LECTURES

Rear Admiral V Mohan Doss, VSM, Assistant Chief of Naval Staff (Air Material) Integrated Headquarters, MoD (Navy), New Delhi, delivered a Knowledge Leadership Forum Lecture as a part of Engineers' Day Celebration at SASTRA, Thanjavur on September 17, 2019. He highlighted the importance of emerging areas like Artificial Intelligence, IoT, Nanotechnology, etc., in product development and stressed upon the need for 'Make in India' and its influence on the technological growth of the country in the coming years. Prof. S. Vaidhyasubramaniam, Vice-Chancellor, SASTRA welcomed the gathering and proposed to have a one-day workshop at SASTRA by naval team to interact with students and faculty to share the requirements of Indian Navy in-turn explore the solutions from Academia. Captain M. Ramasubramaniam, Indian Navy also participated in the function and motivated the engineering students to join navy and take part in nation building activities.



Advances in Machine Learning for Cloud Scale Security

Ram Shankar, a data cowboy on the Azure Security Data Science team at Microsoft, delivered a lecture on “Advances in Machine Learning for Cloud Scale Security” on August 27, 2019. He shared about the RED and BLUE cyber Security team at his work environment and how his team focusses on fighting back cyber threats. He introduced Machine Learning (ML) and stated “Why anomalies are not interesting?”. He also discussed the nature of data involved in security domain and the suitable statistical models and machine learning techniques to handle them effectively. He has offered Microsoft Research internships for the fledgling buds of School of Computing, SASTRA.



Improving Resilience of Transport Networks Considering Vulnerability to Major Disruptions

School of Civil Engineering (SoCE) organised a Knowledge Leadership Forum Lecture by Dr Balijepalli, who has over 25 years of work experience in transport research, teaching and consulting in India, Indonesia and UK on September 10, 2019. He spoke on “Improving resilience of transport networks considering vulnerability to major disruptions”. Speaking on the topic, Dr. Balijepalli presented the research he had conducted, the new vulnerability indices he had developed, and illustrated the principles with the help of three cases involving networks of the city of York in United Kingdom and Yogyakarta Special Region in Central Java, Indonesia. He highlighted that the city authorities involved should identify critical network links and prevent disruption of traffic during natural disasters such as floods, volcanic activity, earthquakes and forest fires.

Security Issues in Retail Payment Systems

Dr. N. Rajendran, the Technocrat & Dynamic Chief Technology Officer of NPCI, presented a lecture on “Payment System and Cyber security” on September 28, 2019. He has been engaged in many projects related to Payments & Banking Systems. He threw a deep insight on the Unified payment interfaces (UPI), Immediate

payment system (IMPS), Aadhar enabled Payment System (APS), the introduction of the new technology NFC – Near Field Communication system, pinpad interface. He also explained about the development of self destructive hardware black box, the hardware and software functionalities.



WORKSHOPS

Data Science for Biology Workshop Series by Combigs

The COMBIGS Student Association of the Department of Bioinformatics conducted two workshops aiming at introducing some basic aspects of data science applied in biology. The first one, “Introduction to R programming and Statistical Applications using R” was conducted on August 24, 2019. The main motive of the workshop was to introduce the basic concepts in data interpretation and analysis of the statistical data provided using R, a machine learning language. 58 Participants including students from M.Sc. Data Science, Bioinformatics, ECE and Biotechnology participated. Dr.Vigneshwar and Dr.Arunachalam gave insights on how to handle, interpret, and analyze the data provided using R, thus helping students grasp basic concepts that would prove useful in various work domains.

The second workshop of this series on “Introduction to Next Generation Sequencing Data Analysis” was conducted on September 14, 2019. Dr. K. Saraboji, Dr. Suma Mohan and Dr. A. Sathya introduced the diverse audience to NGS by delineating the essence of bioinformatics and explained the importance of NGS in a nutshell. Sample files from innovative research were provided and participants were taught how to use



NGS tools and draw inferences from their analysis.

One Day Arcgis Workshop

Mr. M. Syed Wasim, Senior Technical Executive, ESRI certified Geospatial Engineer, ESRI India conducted a training on ArcGIS (Architecture Geographic Information System) developed by ESRI - Environmental Systems Research Institute, Inc., to create deeper insight and understanding of geological data using interactive maps thereby gaining greater insights using contextual tools to visualize and analyze the data. 24 faculty members and Research Scholars participated. Dr. N. Venkatanathan, AP-III and his research team of Department of Physics/SEEE organized this workshop.



Financial Institution’s Response System to Revive Rural Economic Growth

A one day workshop on “Financial Institution’s Response System to Revive Rural Economic Growth” was organized jointly by SASTRA Deemed University and Indian Overseas Bank, Thanjavur on September 14, 2019. Representatives from different associations like Car Drivers Association, Rice Mill Owners Association, Tailors Association, agriculturalists, artisans and Research Scholars of different departments participated. Mr.K.S.Lakshmi Narasimhan, Chief Regional Manager-Indian Overseas Bank, Thanjavur and Dr.R.Vaidyanathan-Professor (Retd)-IIM Bangalore & Cho.S.Ramaswamy Chair Professor of Public Policy at SASTRA Deemed University, addressed the gathering on different topics followed by open forum discussion.



Emboss Painting

Dr. K.Kannan, Dean, School of Education inaugurated the one day workshop on emboss painting for two batches of student teachers of School of Education on September 6 & 7, 2019. A total of 92 student-teachers from II B.Sc.B.Ed. (Mathematics & Physics) and B.A.B.Ed.(English) participated in the workshop.



Plant Transgenics Towards Therapeutic Drug Production

Dr. Bindu Simon of the Phytoengineering lab (under School of Chemical and Biotechnology, SASTRA Deemed University conducted a workshop titled “Plant Transgenics Towards Therapeutic Drug Production” from August 12 to September 21, 2019. Dr. R. Jayapradha provided the HPLC facility and training. The workshop intended to train the undergraduate students on the basic concepts and experimental tools used in Plant Sciences involving the production and analysis of medicinally important compounds from plants.

REVERBERATIONS – 2019

Reverberations’19, the intra college fest was held on September 21, 2019. Dr. R. Senthil Kumar, the Faculty Coordinator, gave a power talk to workshop students. Students were given hands-on training in Green Separations Lab, ASK-II. Live demonstration of HPLC and NMR was given by PhD scholar Ms. Bhuvana and Professor Dr. N. Hari respectively. Simultaneously an Idea Presentation event was organised for the students to showcase their own ideas either through a PowerPoint presentation or poster. 7 teams of two students per team participated in the event. The event was judged by Dr. Nageswara Rao Dunna and Dr. Kiran Babu Uppuluri. 48 students actively participated in the event.



Ph. D. at SASTRA

The following faculty members of SASTRA received their Ph.D. Degrees at the XXXIII Convocation



Dr. Sashi Kala Govindarajulu – Application of H.P. Grice’s Theory of Implicature to the Study of Selected Short Stories of W. Somerset Maugham

Dr. V. Elamaran - Efficient Single Event Upset Mitigation Techniques on Selected Application Areas in Signal and Image Processing



Dr. J. Jayachandran - Design and Implementation of Control Strategies for Active Power Line Conditioners to Improve Power Quality

Dr. B.Thamotharan - Design, Development And Validation For Filtering And Segmentation Algorithm Towards Quantitative Analysis Of RadioGraphic Images



Dr. S. Padma - A study on operational matrix methods for a few nonlinear Boundary value problems in Biochemical Engineering

Dr. Priya Govindarajan - Classification and Prediction of Stroke Using Mining and Machine Learning Algorithms



Dr. K. Parkavi Kathirvelu - Modeling and Control of Solar Energy conversion System

Dr. K. Muthukumar - Investigation on Performance Enhancement Strategies in Electrical Power Distribution Networks for Power Loss Minimization and Voltage Profile Improvement



SCHOOL OF LAW

LAURELS IN MOOT COURT COMPETITION

Winners in 1st National Moot Court Competition

SASTRA Law School team comprising Kum. V. Haripriya of 6th semester B.A., LL.B. (Hons.) Kum. C Saradha Darshini of 6th semester B. Com., LL. B. (Hons.) and Chi. Prajeeth Prem of 6th Semester B.B.A. LL.B. (Hons.) was adjudged Winners in the 1st National Moot Court Competition 2019 organised by B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai from September 6-8, 2019. 22 teams from Law Schools across the country participated. The Final round was judged by Hon. Justice Shri N. Seshasayee, Judge, Madras High Court and Prof. M. Gandhi, Dean, VIT School of Law. The team received a trophy and a cash prize of Rs.25,000 along with a certificate of merit.



Runners up in the 2nd Noida International University National Moot Court Competition

Kum. Samyuktha of II year B.Com. LL.B. (Hons.), Kum. Madhumitha C of II year B.B.A. LL.B. (Hons.), and Kum. Deepika Mahesh of II year B.A. LL.B. (Hons.) have secured second place in the 2nd Noida International University National Moot Court Competition, 2019 conducted on September 12 & 13, 2019. Seventy teams including five National Law



Schools participated in the competition. The finals of the competition was judged by Hon'ble Justice Shri Surendra Kumar, Allahabad High Court, Shri C K Ganguly, Advocate on Record, Supreme Court of India and Shri Manoj Kumar Sinha, Director, Indian Law Institute, New Delhi.

Winners in 10th SLCU National Moot Court Competition

SASTRA Law School team comprising Kum. Esha Kumar [V Sem B.COM., LL.B. (Hons.), Kum. Pavithra. R [V Sem B.A., LL.B. (Hons.)] and Kum. Vibhaa.S [V Sem B.COM., LL.B. (Hons.)] won the 10th SLCU National Moot Court Competition 2019, conducted by the Moot Court Society of School of Law, CHRIST Deemed to be University from September 13 – 15, 2019. The team was awarded a prize money of Rs. 50,000/-. The competition witnessed the participation of 42 law colleges across the nation. The team also secured the award of 2nd Best Memorial. The Final Round of the competition was judged by a panel of judges comprising Hon'ble Justice Shri Krishna Shripad Dixit, Judge, High Court of Karnataka, Hon'ble Justice Shri Ramakrishna Devdas, Judge, High Court of Karnataka, Hon'ble Justice Shri Hethur Puttaswamy Gowda Sandesh, Judge, High Court of Karnataka, Shri Sandesh J. Chouta, Addl. Advocate General, High Court of Karnataka and Shri P Prasanna Kumar, Standing Counsel for CBI and NIA, High Court of Karnataka.



Comparative US – India Constitutional Law Debate

Vignesh Hariharan and Jumana Khader of SASTRA Deemed to be University were among the four students selected out of 73 participants in the Comparative U.S. – India Constitutional Law Debate conducted at The Tamilnadu National Law University on August 9, 2019. The debate aimed to foster greater respect and understanding of the constitutional values shared by the world's oldest and largest democracies.

SCHOOL OF ELECTRICAL & ELECTRONICS ENGINEERING

Lectures



Prof. Jagannathan Sarangapani, Missouri S & T, USA, visited SASTRA from July 8-12, 2019 and delivered four lectures, one per day to several heterogeneous mix of students from diversified disciplines which included EIE, EEE, ECE, CSE and Mechatronics. Around 150 students per lecture attended along with several junior and senior faculty members. His lectures encompassed many cutting edge, state of the art technologies such as cyber physical systems, learning and control in Robotics, role of IOT and Artificial Intelligence, Deep learning and Big data analytics.

One Day Seminar on 5G Communication: Need and Challenges

The IEEE AP-S Madras Chapter in association with School of EEE, SASTRA organized a One day seminar on “5G Communication: Need and Challenges” on July 13, 2019. The seminar focused on emerging challenges in 5G communication modules namely Antenna, Channel and Signaling technologies. Various expert lecture sessions were delivered during the seminar. Dr. K. J. Vinoy, Professor, IISc, Bangalore delivered a lecture on “Design of a Beamforming Antenna Array for mm wave 5G Communication” and shared his research experience of fabricating and testing the beam forming antenna array. Dr. R. Neelakandan, Professor, IIT Goa gave a talk on “Sensing Perspective



of the Signal Processing in 5G”. Dr. K. T. Selvan, SSN College of Engineering, Chennai delivered a lecture on “Fundamentals of Signal Integrity in High-Speed Digital Circuits”. Dr. S.S. Karthikeyan, Assistant Professor, NIT Trichy, Chair - IEEE AP-S Madras Chapter represented the Chapter. More than 60 participants comprising teaching faculty, research scholars, UG & PG students from various institutions attended the seminar.

Inauguration of ASCIEE

Dr. P. S. Pandian, Director Tech, Electronics and Communication Systems (ECS), Defence Research and Development Organization (DRDO), Bangalore delivered a guest lecture to III-B.Tech (ECE,EEE & EIE) students on “Recent Trends in Embedded Systems and Applications” on the inauguration of ASCIEE on August 14, 2019.



COSMOS” - Physics Association

As a part of “COSMOS” - Physics Association, a special lecture on “Reservoir Computing: A Complex Systems Approach” was organized on September 20, 2019. Dr. P. Muruganandam, School of Physics, Bharathidasan University, Tiruchirappalli explained reservoir computing from the point of view of dynamical systems, to denote its actual applications in data analysis and machine learning. Students from various streams of B. Tech, (first year), M.Sc. and M.Sc. Integrated students attended the lecture.



Certificate Course On “Macromolecular Crystallography”

A certificate course on “Macromolecular Crystallography” was conducted for Physics and BioTech students of SASTRA from September 11 – 19, 2019. The students had hands on experience on Protein purification, Crystallization, Structure determination, Validation followed by Docking. The resource person for this course was Dr. N. T. Saraswathi (Associate Professor, SCBT) and her PhD graduate students namely Esacki Muthu and Jayanth Jeevanantham.



SCHOOL OF MANAGEMENT

Executive Development Programme on Business Analytics and Business Law for HCL Executives

School of Management of SASTRA organised an Executive Development Programme on Business Analytics and Business Law for the executives of HCL, Madurai branch on August 2 & 3, 2019. The program was exclusively targeted for 26 HCL executives who have to deal with data, and feel the need for data-driven decision making in their respective roles. This program was beneficial to executives who held key roles in the organisation and worked with business analytic tools.



Guest Lecture

Phoenix Association, School of Management, organized a guest lecture on the topic “Evolving Global Business Ecosystem - Perspectives and Challenges for Emerging Managers” on August 9, 2019. Mr. Antony M. Dsouza,

President, DNV.GL - Maritime (USA) Inc., Texas addressed MBA students from SoM, SASTRA on the role of India as a key strategic partner in the emerging cross-industry ecosystems.



ICSI Thanjavur Study Centre Programme

ICSI Thanjavur Study Centre at SASTRA conducted a session on “Career guidance and prospects for Company Secretary” at School of Management on August 26, 2019 to orient the students about career prospects for Company Secretaries. M.D. Muralidharan, Company Secretary in practice, ICSI Counsellor, Trichy delivered a lecture on the scheme of study in Company Secretary Programme and the mode of preparation for the examination. Around 60 students from School of Law and School of Management attended the session.



Orientation Programme for SASTRA students placed in City Union Bank



An orientation programme was organized from July 25-27, 2019 to provide the CUB placed students

from SASTRA with inputs about City Union Bank, various services offered by them, marketing strategies and also about understanding the different dimensions of banking services. The sessions were handled by the officials from CUB as well as from School of Management. A total of 83 CUB placed students attended the orientation programme.

PROGYAN 2019

The School of Management, SASTRA organised the 11th Edition of “PROGYAN 2019” a National Level Management Students’ Meet on September 20, 2019. Shri T. Ramalingam Head, Learning & Development, TVS SRICHAKRA Ltd, Madurai commended the



efforts of SASTRA’s MBA students in organising the event and spoke on the different skills required for the budding managers. 212 students from 18 Business Schools participated in 8 corporate events. Thiyagaraja School of Management, Madurai won the overall winners’ trophy and Bharathidasan School of Management, Trichy secured runners’ up position. Shri Tanaji Dey, Zonal Business Manager, Airtel, Trichy was also present.

PHOENIX Association

Phoenix Association, School of Management, conducted a lecture on the topic “Cross culture Management Practices- India and United Kingdom” on September 25, 2019. Mr John, CEO, My Digital Ltd, United Kingdom addressed CEO Club members and I Year MBA students on the recent trends on



industrial relations in cross cultural context, and shared experiences on reconciling labour issues in the multi-national perspective.

Inauguration of Genchem

Genchem, the Association of the Department of Chemistry & Biosciences, SRC inaugurated its activities for the year 2019-20 on August 27, 2019. Dr. K. Vasudevan, Professor, Department of Zoology, Annamalai University Chidambaram delivered the inaugural address on “Ethical Care and Management of Experimental Animals in Biomedical Research”. He elaborated the methods of handling, administration of drugs, induction of cancer, diabetes, liver toxicity and maintenance of different experimental animals.

World Heart Day

To create awareness on Cardio Vascular Diseases (CVD), Genchem celebrated “World Heart Day” on October 1, 2019 at SRC campus. During this event, Dr. Suganthi Muthiah MD., DA., Senior Civil Surgeon, Government Hospitals, Kumbakonam elucidated on the severity of heart diseases. She also mentioned the causes and consequences of heart diseases and recommended healthy diet, physical activity, better work place and clean habits, refraining from use of tobacco and alcohol for a healthy heart and life.

Inauguration of Exact, S-FOSS and CSI Associations

The activities of the ExACT, S-FOSS and CSI associations of Department of Computer Science and Engineering were inaugurated on 10th August, 2019 at SRC, SASTRA by DR. P. Thiyagarajan, Assistant Professor & Head, Department of Computer Science, Central University of Tamil Nadu with a Special Talk on “Future Disruptive Technologies”.



EDII HUB SASTRA

INNOVATIA'19

Entrepreneurship Development Institute of India (EDII) Hub of SASTRA conducted a one-day event

Innovatia on September 29, 2019. Mr. Vijay Anand, Founder of Point One Promotions inaugurated the event and shared his experience both as an employee and as an entrepreneur. His interactive sessions served as a platform for learning the milestones to be



crossed before entering into an entrepreneurial world. The event consisted of three rounds where the 20 participants were given various tasks to check their entrepreneurial skills of perseverance, assertiveness and confidence.

NAMASTE FOR NEW INDIA



**NAMASTE: New Age Mantra
for Smart Teacher Education**

New Age Mantra for Smart Teacher Education is an initiative by SASTRA, launched with support from M/s Tata Consultancy Services to train school teachers in modern pedagogy. In the third quarter of 2019, five batches of training were held in which 210 teachers were trained. 68 batches of training have been conducted so far, in which 2927 teachers participated.

Two batches of I year B.Sc., B.Ed. and B.A., B.Ed. students attended the six days training program from September 9 – 14 and September 16 – 21, 2019.

SCHOOL OF EDUCATION



Inauguration of Various Clubs

Kavingar Nandalala inaugurated Clubs of various disciplines - Tamil Club, English Club, Maths Club, Science Club, Social Club, Sports Club and Fine Arts Club – on August 14, 2019. Students from B.Sc.,B.Ed., (Mathematics) and B.Sc.,B.Ed (Physics) and B.A.,B. Ed (English), Faculty, Dean and Director of School of Education participated in the event. Dances and mime were performed by students.



Krishna Janmashtami Celebration

Education on Culture is an essential aspect of the curriculum. To make the younger generation understand this importance and to glorify Indian traditions, School of Education, SASTRA, celebrates Krishna Janmashtami every year. This year Krishna Janmashtami was celebrated on August 10, 2019. On this auspicious occasion, students of School of Education participated and presented various programs on mythology and Mahabharata.

Subramanya Bharathi's 98th Death Anniversary

SASTRA Deemed to be University, Thanjavur remembered Subramanya Bharathi on his 98th Death Anniversary on September 11, 2019. Dr.J.Devi, Professor and Head of the Department of Tamil, Tamil University was the Chief Guest and said that Bharathi fought for the Resolution and Independence of Women. She added that eradication of superstition, illiteracy and ignorance were the watch words of Bharathi.



Field Trip

161 student teachers of B.Sc.,B.Ed and B.A.,B.Ed went on a field trip to Thiruvanchuzi, Thiruvudaimaruthur and Darasuram on September 23, 2019. The trip enlightened the students on the aesthetic values in the brilliant achievements of Chola in architecture, sculptures, painting and bronze casting



Civil Engineering Association (CEA)

Chairman and Chief Executive Officer Er.T.Suresh Kumar, M/s. Uniqcore Construction India Pvt. Ltd., Chennai inaugurated the Civil Engineering Association (CEA), a Civil Engineering students' forum, on August 30, 2019. In his inaugural address on the topic "Civil Engineers' pride and Opportunities", he highlighted various avenues in which good dedicated Civil Engineers are required to successfully execute projects.



CRID Annual Meet 2019

The third annual meet of the Centre for Research in Infectious Diseases (CRID), School of Chemical & Biotechnology, SASTRA, was conducted on September 10 & 11, 2019. Prof. Tapas K. Kundu, Director, CSIR-Central Drug Research Institute, delivered a special lecture on "Epigenetics – Life beyond our genes". Talks were delivered by faculty members and research scholars in three different sessions - New Antimicrobials for Neglected Diseases, Population Genetics and Alternate Strategies to Tackle Multidrug Resistant Bacteria. Quiz competition and poster presentations were also conducted.

SASTRA Provides Annadhanam at Athivarathar Dharshan, Kancheepuram

SASTRA made elaborate arrangements to provide annadhanam to devotees from August 3 – 17, 2019 at Varadharaja Perumal Temple, Kancheepuram during the historic dharshan of Athivaradhar. Under the counsel and guidance of Sree Subendra Swamigal and Chairman Prof. R. Sethuraman, a five member team from SASTRA headed by Mr. Srinivasan, with the help of 15 cooks, provided annadhanam comprising pongal, sambhar rice, curd rice and white pongal. Special arrangements for 7,000 devotees were made on Saturdays and Sundays, and over 5000 on other days. This annadhanam arranged at Raghavendra Mutt on East Mada Street, continued until the last day of Athivaradhar Dharshan.



Internship Awareness and Observance of Internship Day

Department of Training and Placement organised an awareness session for the first year students about the various internship opportunities available, and the importance of internship. The awareness sessions were conducted in different batches in the first week of August 2019. Also, Internship Day was observed on 3rd August 2019 powered by Internshala, an online internship portal authorised by AICTE.

Awareness Session on Higher Education Opportunities at New Zealand

On August 9, 2019, an awareness session on higher

education opportunity at New Zealand was conducted at SASTRA. Mr. John Alistair Cockburn, International Marketing Director, Placeme Consultants and Mr. Solai Mani, CEO, Placeme Consultants visited the university and shared the ways and steps to be followed right from choosing a university till making residential arrangements. Dr. Badrinath, Dean, CREA welcomed the guests. About 20 students participated.



Seminar on Internship Opportunity @ Singapore

Corporate Gurukul, Singapore conducted a seminar on August 29, 2019 to students of SASTRA regarding the opportunity at National University of Singapore. This session briefed the ways to apply for internship, selection of topics, fees payable and the scholarships available. 5 students of SASTRA University, who participated in summer internship this year and performed outstandingly were honoured with scholarships.



Higher Education Opportunity @ Australia by Australian Alumnus Association India

Representatives from Australian Alumnus Association visited SASTRA University on September 18, 2019 to give awareness to the students who desire to pursue their higher education at Australia. Mr. Sunder Gurusamy, National President, AAI, Mr. B. Sriram, Head, Chennai Chapter of AAI and Mr. N. Sriram of AAI, being alumnus of different Australian universities, shared their experience about offers after completing higher education there.



SAGE – UPSC Classes for 2019

SASTRA Academy for Growth & Excellence (SAGE) launched the free UPSC training program for 2019-20 on August 14, 2019 based on a written test of students from both campuses. The function was presided over by Dr. R. Chandramouli, Registrar, Dean CREA Dr. V. Badrinath, Head CEEP Mr. R. Anantharaman and Faculty Coordinator Mr. Naresh Kumar. The first training session started on September 29, 2019 with 95 students. Classes are to be conducted on select Sundays.

Rural Empowerment Through Vocational & Entrepreneurially Reliant Ecosystem (REVERE)

Through REVERE (Rural empowerment through Vocational & Entrepreneurially Reliant Ecosystem), so far 646 students have been trained, out of which 404 students are either placed or self-employed. Cooking & Housekeeping skills and many innovative programs like campus interviews, internship visits, project ambassadors, etc. were also launched.



NSS ACTIVITIES

Jal Shakti Abhiyan

Jal Shakti Abhiyan awareness camp was organized by NSS on July 27, 2019. 348 NSS volunteers participated in the bicycle rally and walkathon conducted in the University main campus. NSS volunteers, along with Civil Engineering staff and students, reviewed the rain water collection tanks installed along side all buildings in



the University. The camp focused on five aspects – water conservation and rain water harvesting, renovation of traditional and other water bodies, reuse of water and

recharging of structures, watershed development and intensive afforestation.



Fit India Abhiyan Camp

NSS units at the University main campus organized Fit India Walkathon on August 29, 2019. 250 NSS volunteers took part in the 10,000-foot walkathon in the University main campus. After the event, Prof.R.Anantharaman, Head, CEEP and Dr. Varghese Joseph, Coordinator-NSS addressed the students about the crucial aspects of fitness and asked them to inculcate healthy habits in their daily routine.

Blood Donation Camps

Seven blood donation camps were conducted between June and October, 2019. 466 units of blood were donated to Thanjavur Medical College and Rajah Mirasudhar Government Hospital blood banks. HDFC Bank collaborated with NSS and gave away books on career building to all student donors as part of Corporate Responsibility.

The NSS wing at SRC organized a Blood Donation Camp on October 10, 2019. 168 units of blood were donated to Government Hospital, Kumbakonam by NSS volunteers. Dr.R.Suganthi M.D.D.A., and



Shri.D.SaleemBasha, Blood Bank Staff Nursing Incharge, with the assistance of their technical team conducted the camp.

NSS Golden Jubilee Year Celebrations

The NSS Units of Main Campus, SASTRA held various competitions on October 1, 2019 in connection with NSS Golden Jubilee year, 150th Birth Centenary of Mahatma Gandhiji, Poshan Abhiyaan and Swachhta hi Seva campaigns. Students took part and won prizes in quiz on Gandhian ideals, values, principles, and thoughts, essay writing and poster presentation. Mimes, skits and street play were performed by NSS cultural team. Dr. V. Badrinath, Dean, Corporate Relations and Extension Activities presided over the event. Dr. Seshadri, Director, School of Education gave a special talk on the occasion and Dr. R. Chandramouli, Registrar, distributed prizes to the winners.



Crowd Control Camps

74 NSS boy volunteers participated in the crowd control camp at Punnianallur Maariamman Temple, Thanjavur on all five Sundays of the Tamil month Avani.



Unnat Bharat Abhiyan

To create awareness against the use of single time usable plastics under Swachhta Hi Seva Campaign,

student volunteers along with faculty members visited Thirumalaisamudram, Marudakkudi, Sellappanpettai, Avarampatti and Sennampatti villages on September 14 & 21, 2019 and conducted various programmes. They also distributed awareness pamphlets and collected onetime useable plastic wastes door to door.



PLASMA Compendium Activities

In the academic year 2019-20, team Plasma Compendium has donated a total amount of 25 units of all blood groups for emergency need around Thanjavur and Trichy, including Government Hospital, Meenakshi Hospital, Apollo Hospitals etc. 50% of the donations were for platelets, and rest of them were for various other reasons such as bypass surgery, delivery operations, cancer treatment etc.



Publicity Event 2019

Plasma Compendium conducted a publicity event called Timepass in the month of September 2019 primarily to create awareness about the importance of blood donation in general and the activities of Plasma Compendium in particular. This event had both online and offline events. While the online events such as Photography and Meme creation contests were conducted via the Instagram handle of Plasma, the offline events took place at Canopy on September 16 & 17, 2019. The participants were given chocolates to



which quotes related to blood donation were attached and winners of all the events were given online amazon vouchers.

Annual Training Camp (CATC) 2019

SASTRA Deemed University NCC contingent comprising 25 cadets along with Lt. Vandana Singh attended the ten day Annual Training Camp (CATC) 2019 held at PMIST, Wallam from September 18 to 27, 2019. The camp was organized by 4TN Girls Bn NCC, Trichy. 550 Cadets from various Colleges and schools took part in the camp. Various activities like cultural, parade drill, simulated firing, rifle drill, sports and games were conducted for the cadets. SASTRA Deemed University Cadets won first prize in solo song, second prize in group song and group dance. Cadet A. Gopika, Senior Under Officer, won the first place in Master of Ceremony.



NCC Orientation

The NCC orientation, of the 4TN girls Bn, Trichy was organised by SASTRA University, Thanjavur, in the presence of Associate NCC Officer Lt. Vandana Singh Raghuvanshi, Dean of Mechanical Engineering Dr. Pughazhendi and Prof. Vikram, the NCC Boys-in-charge and the honourable chief guest Col. Gopi Kumar, the Commanding Officer of 4TN Girls Bn, Trichy, in VKJ auditorium on August 19, 2019. Speaking on the occasion, Col. Gopi Kumar briefed about the aim, goal, camps and training to be undergone in NCC. He further spoke about how NCC modified him into a better person, and motivated and encouraged the students to choose service in defense as a career option.



NCC Junior's Recruitment

On September 20, 2019 two officers from 4(TN) Girls battalion conducted recruitment for juniors through physical assessments like running, and also tested their extent of interest in joining NCC. Nearly 100 first and second year students of various departments actively participated in the selection process. Among them only 35 were short-listed based on their dedication, drill, physical fitness and extra-curricular activities. Among the shortlisted students, 'A' certificate cadets were given higher priority and students with National level achievements in sports, classical dancing, carnatic singing and instrument playing were given next priority. After 15 days of training, the battalion officers finalized the list by selecting 17 cadets.



NCC Cadet Cuo. Akash.S of III B.Sc. PCS from SRC, SASTRA was included in the NCC Tamilnadu, Puducherry, Andaman & Nicobar State Directorate Shooting Team of 16 best shooters and in the national level Inter Directorate Sports Shooting Competition held at Asansol, West Bengal from August 14 – 25, 2019. He also competed in the Tamilnadu State Shooting Championship conducted by the Tamilnadu Shooting Association at Coimbatore and secured IV position in Small bore Rifle 3P Junior Men's category.

Cadet CPL. Mohan Kumar. S of II B.Sc. 'M-Bio.' From SRC, SASTRA participated in a Personality Development & SSB Awareness Capsule, conducted by NCC Directorate at 110 INF Battalion, Coimbatore from September 16 – 27, 2019.

Tree Plantation Drive

A Tree Plantation Drive was organized by the NCC unit



of SRC, SASTRA on August 9, 2019 at Sivagurunathar Temple, Sivapuram. 33 cadets participated and planted 50 saplings in and around the temple. The cadets cleaned, watered and hollowed out the ground before plantation.

Noise Pollution Awareness Rally

A Noise Pollution Awareness Rally was conducted on September 23, 2019 at SRC, SASTRA. Dr.V.Ramaswamy, Dean flagged off the rally. The cadets carried placards and issued pamphlets to the people to spread awareness about the pollutants and the corrective measures to be taken for a pollution-free life.

Environmental Field Visit

Three hundred and ninety students of various science programmes at SRC participated in the Environmental Tour visit to Karikulam organized by Shri.N.Sundar, Assistant Professor, Dept. of Civil Engineering on October 10, 2019 to provide the students first hand information in Bio Mining, Bio Gas Plant, Sewage treatment plant, Process of segregation, reuse and recycling, waste water treatment etc.



TVS Finishing School Programme

TVS EUROGRIP, in association with SASTRA Deemed to be University, has announced to conduct a 'Finishing School' programme for unemployed engineering graduates from other engineering colleges and universities in the State. The six month course will be held at SASTRA campus from October 14, 2019 for unemployed youth, who had graduated in civil, mechanical and EEE branches with 6.5 CGPA and above with no standing arrears. A monthly stipend of Rs.1,500 will be provided to the students. This programme is entirely sponsored by TVS Srichakra Limited, Madurai.

Laurels In Sports

SASTRA University student U.Nishanth IV year EEE won the Bronze Medal in the Mr.Thanjavur - 2019 District Level Open Bodybuilding Championship held at Thanjavur on July 21, 2019.



SASTRA University student T.Prem Sagar Reddy II year Mechanical Engineering won the Silver Medal in Tennis Tournament in Sportiva'19, the State Level Inter-Engineering Games Fest, organized by Parisutham Institute of Technology and Science, Thanjavur held from September 5-7, 2019.



SASTRA Community Outreach (SCORE) Activities Orientation Program 2019-2020



With the idea of providing a brief outlook of the outreach and extension activities of SASTRA to the first year students of 2019-2023 batch, all the outreach clusters namely SCORE, Plasma Compendium, KS Upahaar, NCC, NSS, Student EXNORA came together to conduct an orientation program on August 2, 2019. Around 1500 first year students attended the various orientation sessions held by Dr. V. Badrinath, Dean, CREA and Prof.R..Anantharaman Head, CEEP.



KS UPAHAAR Activities

The Team KS UPAHAAR visited Vallalar Maanavar Illam at Kumbakonam on July 14, 2019 and distributed notebooks, ink pens and geometry boxes to 80 students. They collected more than 100 numbers of beds, buckets, pillows, dresses and some stationery

things from students, and on June 11, delivered it to the inmates of Annai Ashram and Lubra Home. On August 13, 2019 they organized a fund raising cultural event – FUND PANDROM to celebrate Independence Day. A team visited Anbu Illam at Thanjavur on August 25, 2019 and offered them blankets, toiletries, and other consumables according to their earlier request. Dr.Padmapriya, Faculty from SEEE, together with some students, visited Therasa home in Kattur, Trichy on September 1, 2019 and provided groceries, stationery items, tree saplings, and sweets to the children. The Team also visited Roja Vanam old age home in Trichy on September 22, 2019.



Alumni Meet By The Department Of Computer Science And Mathematics

CSE Department's first Alumni meet was held on September 20, 2019. Dr. K. Nandhini, Assistant Professor, Central University of Tamilnadu, Tiruvarur and an alumna of Sastra University was the chief guest. Outgone BCA students were invited for a discussion over the practical value of the Programme with the members of the staff.

The Department of Mathematics conducted its first ever Alumni Meet on October 13, 2019. Around 100 students from different states attended the meeting. Dr. V. Ramaswamy, Dean SRC presided over the meeting. Dr.D.Narasimhan, Head, Department of Mathematics, ably assisted by the members of the faculty of the Department of Mathematics organized this meet successfully.



A Quarterly Newsletter published by SASTRA DEEMED UNIVERSITY, Thanjavur-613 401, Tamil Nadu.
Designing & Printing : Sumukha Agencies, BANGALORE.



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